

In the Claims:

1. (Previously presented) A composition to improve the laser engraving properties of a polymer material, the composition comprising:
a first laser enhancing additive, the first laser enhancing additive comprising a first quantity of at least one of copper potassium iodide (CuKI_3) and Copper Iodide (CuI), and a second quantity of at least one substance comprising a metal sulfide; and
a host material into which the first laser enhancing additive is mixed, the host material comprising the polymer material.
2. (Original) The composition of claim 1, wherein the host material and first laser additive are masterbatched.
3. (Original) The composition of claim 1, wherein the composition is manufactured so as to be able to be mixed into the polymer material and extruded into at least one of a film and a sheet.
4. (Original) The composition of claim 1, wherein the first laser enhancing additive is present in a concentration of about 0.001 to 99 % by weight.
5. (Original) The composition of claim 1, wherein the first laser enhancing additive is present in a concentration of about 0.01 to 0.20 % by weight.
6. (Original) The composition of claim 4, wherein the first laser enhancing additive is present in a concentration of about 0.06 to 0.12 % by weight.
7. (Original) The composition of claim 1, wherein the composition further comprises a second laser enhancing additive, the second laser enhancing additive being different than the first laser enhancing additive.
8. (Previously presented) The composition of claim 1, wherein the polymer material comprises at least one of polycarbonate, fused polycarbonate, titanium dioxide filled polycarbonate, polyester, amorphous polyester, polyolefin, silicon-filled polyolefin, foamed polypropylene film, polyvinyl chloride, polyethylene, polyurethane, polyamide, expanded polypropylene, polypropylene, acrylonitrile butadiene styrene (ABS),

polyethylene terephthalate (PET), polybutylene terephthalate PBT), acetal copolymer, polyetherimide (PEI), polyacrylate, poly(4-vinylpyridine, poly(vinyl acetate), polyacrylonitrile, polymeric liquid crystal resin, polysulfone, and polyether nitride, polycaprolactone.

9. (Original) The composition of claim 1, wherein the first laser enhancing additive is present in the composition in an amount sufficient to permit a gray scale image to be laser engraved into the polymer material after the composition is mixed with the polymer material.

10. (Original) The composition of claim 9 wherein the amount of the first laser enhancing additive that is sufficient to permit gray scale images to be laser engraved into the polymer material is about 0.06 to 0.13 percent by weight.

11. (Original) The composition as recited in claim 1, wherein the composition is manufactured so as to be mixable into a polymeric coating.

12. (Original) The composition as recited in claim 1, wherein the composition is manufactured so as to be mixable into a polymeric laminate.

13. (Original) The composition as recited in claim 1, wherein the composition is extruded against a polymer that does not contain the first laser enhancing additive.

14. (Original) The composition as recited in claim 1, wherein the host material comprises a material capable of being used as a coating.

15. (Currently amended) The composition as recited in claim 14, wherein the material capable of being used as a coating comprises at least one of a resin, polyester, polycarbonate, ~~[vinyls]~~ vinyl polymers, acrylates, urethanes, and cellulose-based coating material.

16-25. (Cancelled)

26. (Previously presented) A composition to improve laser engraving properties of a polymer material, the composition comprising:

a first quantity of a first additive, the first additive comprising at least one of copper potassium iodide (CuKI₃) and Copper Iodide (CuI);

a first host material into which the first additive is mixed, the first host material comprising the polymer material;

a second quantity of a second additive, the second additive comprising at least one substance comprising a metal sulfide; and

a second host material into which the second additive is mixed, the second host material comprising the polymer material.

27-38. (Cancelled)